

United States National Phase Application
Attorney Docket No. D4695-00133
Preliminary Amendment

Amendments to the Drawings

Please replace the drawings as filed with the enclosed replacement drawing sheets, which include Figures 1 through 4 as described in the specification.

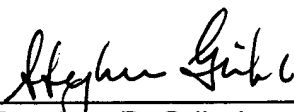
Remarks

In a Communication sent on 25 July 2006 (a copy of which is enclosed), the Office of PCT Legal Administration notified Applicants that this application was abandoned for failure to timely submit a translated Figure 1 which complies with MPEP § 1893.01(d). Applicants have cancelled the translated Figures and submitted replacement Figures which comply with MPEP § 1893.01(d) and better place the application in condition for allowance.

No new matter is included as a result of these replacement Figures. Early and favorable consideration of the Petition to Revive under 37 CFR § 1.137(b) is requested.

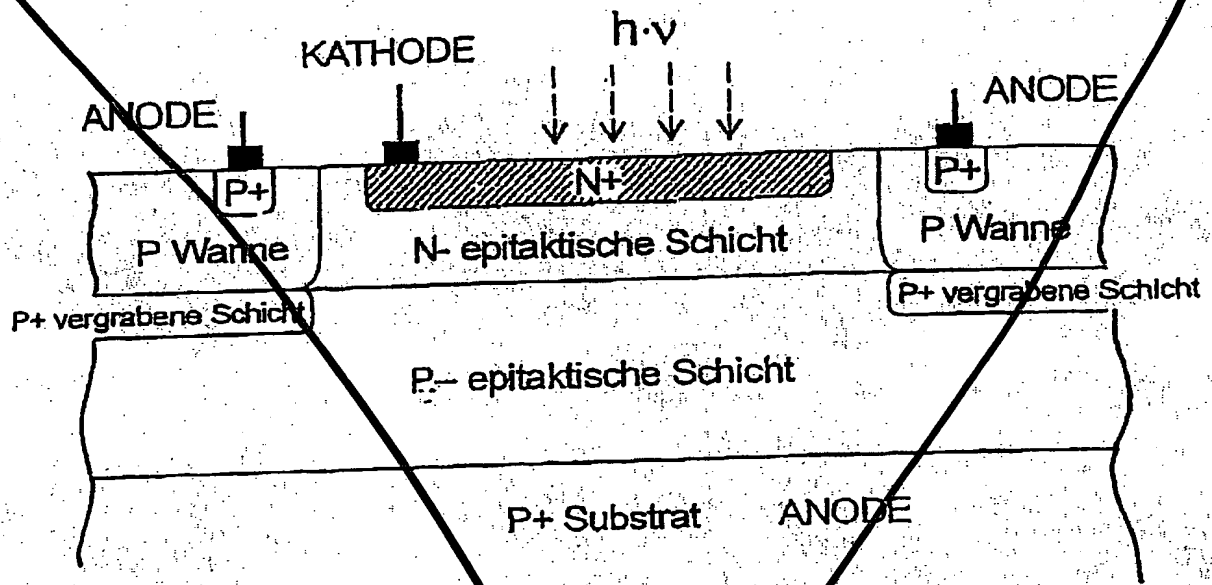
Respectfully submitted,

September 7, 2006
(Date)

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Figure 1



KEY:

ANODE - ANODE

KATHODE - CATHODE

P Wanne - P well

N- epitaktische Schicht - N epitactic layer

P+ vergrabene Schicht - P+ buried layer

P- epitaktische Schicht - P- epitactic layer

P+ Substrat - P+ substrate

Table 1

	Standard process		Modified process	
	670 nm	785 nm	670 nm	785 nm
Optical wavelength λ	670 nm	785 nm	670 nm	785 nm
Quantum efficiency η (%)	94.3	71.3	96.5	63.4
Sensitivity R (A/W)	0.508	0.450	0.520	0.400
Rise time t_R (nsec)	3.00	12.40	0.610	1.465
Fall time t_F (nsec)	6.50	10.40	0.515	1.480
3 dB band width NW (MHz)	79.3	30.8	625	238
Capacity C_D (fF/ μm^2)	0.134	0.134	0.0105	0.0105

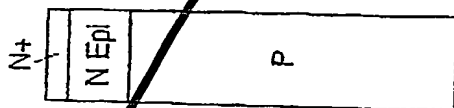
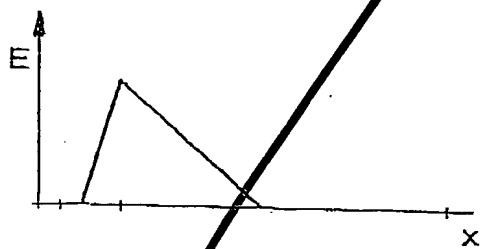
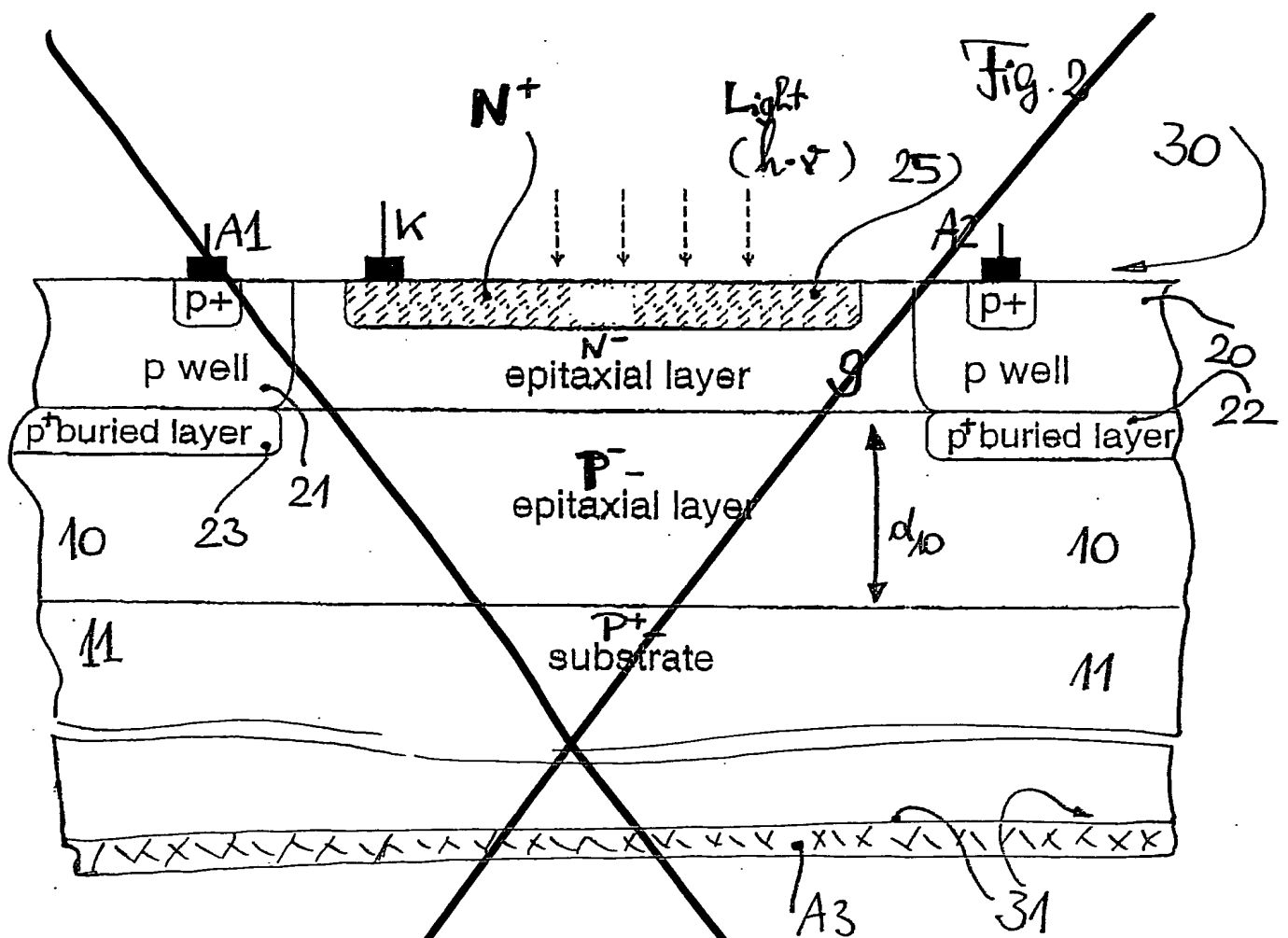


Fig. 3

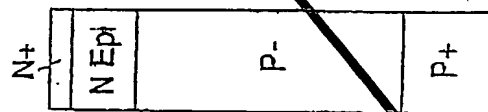


Fig. 4